

Comparisons of Job Characteristics

Focus Occupation: Epidemiologists (19-1041)

Associated Occupation: Medical and Health Services Managers (11-9111)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 68

Focus Occupation: Epidemiologists (19-1041)

Associated Occupation: Medical and Health Services Managers (11-9111)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Customer and Personal Service	11.3	17.7	8.7	<<	Extensive education and/or training may be required
English Language	11.2	17.0	17.6	0	Current knowledge level may be sufficient
Administration and Management	8.4	15.1	10.6	<<	Extensive education and/or training may be required
Education and Training	9.2	15.1	14.0	0	Current knowledge level may be sufficient
Psychology	6.4	14.5	11.0	<<	Extensive education and/or training may be required
Medicine and Dentistry	3.7	13.8	12.7	0	Current knowledge level may be sufficient
Personnel and Human Resources	5.6	11.6	7.7	<<	Extensive education and/or training may be required
Sociology and Anthropology	4.1	10.9	11.6	0	Current knowledge level may be sufficient
Therapy and Counseling	3.8	10.2	4.8	<<	Extensive education and/or training may be required
Economics and Accounting	4.4	9.2	5.4	<<	Extensive education and/or training may be required
Biology	3.7	8.7	16.5	>>	Current knowledge level is likely more than sufficient
Philosophy and Theology	3.2	7.2	5.9	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Epidemiologists (19-1041)

Associated Occupation: Medical and Health Services Managers (11-9111)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Judgment and Decision Making	9.4	12.8	13.9	0	Current skill level may be sufficient
Social Perceptiveness	9.1	12.8	11.6	<	A higher skill level may be required
Monitoring	9.9	12.7	13.3	0	Current skill level may be sufficient
Coordination	9.1	12.5	11.8	0	Current skill level may be sufficient
Time Management	8.9	12.4	11.2	<	A higher skill level may be required
Operations Analysis	5.0	12.2	9.5	<<	Extensive development of skills in this area may be required
Service Orientation	7.9	12.1	9.2	<<	Extensive development of skills in this area may be required
Instructing	7.8	11.6	9.8	<	A higher skill level may be required
Management of Personnel Resources	6.9	11.2	9.2	<	A higher skill level may be required
Science	4.5	11.2	18.2	>>	Skill level is likely more than sufficient
Negotiation	6.8	10.7	8.3	<	A higher skill level may be required
Persuasion	7.4	10.6	8.8	<	A higher skill level may be required
Systems Evaluation	6.4	10.5	11.5	0	Current skill level may be sufficient
Management of Material Resources	3.7	6.5	4.5	<<	Extensive development of skills in this area may be required
Management of Financial Resources	3.3	5.5	4.5	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 97

Focus Occupation: Epidemiologists (19-1041)

Associated Occupation: Medical and Health Services Managers (11-9111)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Comprehension	12.5	15.0	16.4	0	Current ability level may be sufficient
Written Comprehension	11.0	15.0	16.0	0	Current ability level may be sufficient
Problem Sensitivity	11.1	14.7	16.2	>	Current ability level is likely sufficient
Written Expression	9.8	14.1	15.0	0	Current ability level may be sufficient
Deductive Reasoning	10.6	13.0	14.6	>	Current ability level is likely sufficient
Category Flexibility	9.0	11.0	12.2	>	Current ability level is likely sufficient
Fluency of Ideas	7.6	10.2	11.8	>	Current ability level is likely sufficient
Mathematical Reasoning	6.3	9.3	11.5	>	Current ability level is likely sufficient
Time Sharing	6.6	8.2	7.6	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 81

Focus Occupation: Epidemiologists (19-1041)
Associated Occupation: Medical and Health Services Managers (11-9111)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Conduct training for personnel	30
Convert information into instructional program	38
Develop plans for programs or projects	31
Develop policies, procedures, methods, or standards	21
Direct and coordinate activities of workers or staff	3
Establish and maintain relationships with health specialists or civic groups	92
Make presentations	13
Make presentations on health or medical issues	50
Oversee execution of organizational or program policies	49
Research health improvement issues	89
Use computers to enter, access or retrieve data	3
Use health or sanitation standards	62
Use research methodology procedures in health care	63
Use sanitation practices in health care settings	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 78

Focus Occupation: Epidemiologists (19-1041)
Associated Occupation: Medical and Health Services Managers (11-9111)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Information exchange software	1
Network applications software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.